



SEQUENCE LISTING

<110> PASTERNAK, GAVRIL
PAN, YING-XIAN

<120> IDENTIFICATION AND CHARACTERIZATION OF MULTIPLE SPLICE
VARIANTS OF THE KAPPA3-RELATED OPIOID RECEPTOR
(KOR-3) GENE

<130> 830002-2001.2

<140> 10/606,592
<141> 2003-06-26

<150> 09/743,871
<151> 2001-03-13

<150> PCT/US99/15977
<151> 1999-07-15

<150> 60/093,002
<151> 1998-07-16

<160> 26

<170> PatentIn Ver. 2.1

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Val Thr Ile Val Gly Leu Tyr Leu Ala Val Cys Ile Gly Gly Leu Leu
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Gly Asn Cys Leu Val Met Tyr Val Ile Leu Arg Gln Cys Pro Glu Asn
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Val Thr Ile Val Gly Leu Tyr Leu Ala Val Cys Ile Gly Gly Leu Leu
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Val Thr Ile Val Gly Leu Tyr Leu Ala Val Cys Ile Gly Gly Leu Leu
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Gly Asn Cys Leu Val Met Tyr Val Ile Leu Arg His Thr Lys Met Lys
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Trp Pro Phe Gly Asn Ala Leu Cys Lys Thr Val Ile Ala Ile Asp Tyr
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 35 40 45

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Gly Thr Asp Ile Leu Leu Gly Phe Trp Pro Phe Gly Asn Ala Leu Cys
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Lys Thr Val Ile Ala Ile Asp Tyr Tyr Asn Met Phe Thr Ser Thr Phe
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Thr Leu Thr Ala Met Ser Val Asp Arg Tyr Val Ala Ile Cys His Pro
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50 55 60
Ala Leu Ala Asp Thr Leu Val Leu Leu Thr Leu Pro Phe Gln Gly Thr
65 70 75 80
Asp Ile Leu Leu Gly Phe Trp Pro Phe Gly Asn Ala Leu Cys Lys Thr
85 90 95
Val Ile Ala Ile Asp Tyr Tyr Asn Met Phe Thr Ser Thr Phe Thr Leu
100 105 110
Thr Ala Met Ser Val Asp Arg Tyr Val Ala Ile Cys His Pro Ile Arg
115 120 125
Ala Leu Asp Val Arg Thr Ser Ser Lys Ala Gln Ala Val Asn Val Ala
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Ile Trp Ala Leu Ala Ser Val Val Gly Val Pro Val Ala Ile Met Gly
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Ser Ala Gln Val Glu Asp Glu Glu Ile Glu Cys Leu Val Glu Ile Pro
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Phe Ser Phe Ile Val Pro Val Leu Val Ile Ser Val Cys Tyr Ser Leu
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 Gly Leu Leu Gly Asn Cys Leu Val Met His Thr Lys Met Lys Thr Ala
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 Thr Asn Ile Tyr Ile Phe Asn Leu Ala Asp Thr Leu Val Leu
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 Leu Thr Leu Pro Phe Gln Gly Thr Asp Ile Leu Leu Gly Phe Trp Pro
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 Lys Ala Gln Ala Val Asn Val Ala Ile Trp Ala Leu Ala Ser Val Val
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 Gly Val Pro Val Ala Ile Met Gly Ser Ala Gln Val Glu Asp Glu Glu
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 Ile Glu Cys Leu Val Glu Ile Pro Thr Pro Gln Asp Tyr Trp Gly Pro
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 Thr Arg Leu Val Leu Val Val Val Ala Val Phe Val Gly Cys Trp Thr
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 tgcagggttcc tgatcgtgtg cggagcatttgc ccaaggatgt tggccttggt tgcctgggt 1140
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<210> 12
 <211> 1283
 <212> DNA
 <213> *Rattus sp.*

<400> 12

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 agacagctac caacattac atatatac tggactggc tgataccctg gt当地tgc当地aa 360
 cactgccc当地 ccagggcaca gacatcctac tgggcttctg gccatttggg aatgcactct 420
 gcaagactgt cattgctatc gactactaca acatgtttac cagcactttt actctgaccg 480
 ccatgagcgt agaccgtat gtggctatct gccaccctat cc当地gccc当地t gatgttc当地ga 540
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 tt当地tgttgc catcatgggt ttagcacaag tggaaagatga agagatcgag tgccctgggtgg 660
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<210> 13

<211> 1177

<212> DNA

<213> Homo sapiens

<400> 13

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<210> 14
 <211> 1134
 <212> DNA
 <213> Homo sapiens

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 gggctctacc tggccgtgtg tgcggaggg ctcctggga actgccttgt catgcacacc 240
 aaaatgaaga cagccaccaa tatttacatc tttAACCTGG ccctggccga cactctggtc 300
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<210> 15
 <211> 367
 <212> PRT
 <213> Mus musculus

<400> 15
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 20 25 30
 Leu Leu Leu Asn Ala Ser His Ser Ala Phe Leu Pro Leu Gly Leu Lys
 35 40 45
 Val Thr Ile Val Gly Leu Tyr Leu Ala Val Cys Ile Gly Gly Leu Leu
 50 55 60
 Gly Asn Cys Leu Val Met Tyr Val Ile Leu Arg His Thr Lys Met Lys
 65 70 75 80
 Thr Ala Thr Asn Ile Tyr Ile Phe Asn Leu Ala Leu Ala Asp Thr Leu
 85 90 95
 Val Leu Leu Thr Leu Pro Phe Gln Gly Thr Asp Ile Leu Leu Gly Phe
 100 105 110

Trp Pro Phe Gly Asn Ala Leu Cys Lys Thr Val Ile Ala Ile Asp Tyr
 115 120 125

Tyr Asn Met Phe Thr Ser Thr Phe Thr Leu Thr Ala Met Ser Val Asp
 130 135 140

Arg Tyr Val Ala Ile Cys His Pro Ile Arg Ala Leu Asp Val Arg Thr
 145 150 155 160

Ser Ser Lys Ala Gln Ala Val Asn Val Ala Ile Trp Ala Leu Ala Ser
 165 170 175

Val Val Gly Val Pro Val Ala Ile Met Gly Ser Ala Gln Val Glu Asp
 180 185 190

Glu Glu Ile Glu Cys Leu Val Glu Ile Pro Ala Pro Gln Asp Tyr Trp
 195 200 205

Gly Pro Val Phe Ala Ile Cys Ile Phe Leu Phe Ser Phe Ile Ile Pro
 210 215 220

Val Leu Ile Ile Ser Val Cys Tyr Ser Leu Met Ile Arg Arg Leu Arg
 225 230 235 240

Gly Val Arg Leu Leu Ser Gly Ser Arg Glu Lys Asp Arg Asn Leu Arg
 245 250 255

Arg Ile Thr Arg Leu Val Leu Val Val Ala Val Phe Val Gly Cys
 260 265 270

Trp Thr Pro Val Gln Val Phe Val Leu Val Gln Gly Leu Gly Val Gln
 275 280 285

Pro Gly Ser Glu Thr Ala Val Ala Ile Leu Arg Phe Cys Thr Ala Leu
 290 295 300

Gly Tyr Val Asn Ser Cys Leu Asn Pro Ile Leu Tyr Ala Phe Leu Asp
 305 310 315 320

Glu Asn Phe Lys Ala Cys Phe Arg Lys Phe Cys Cys Ala Ser Ala Leu
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His Arg Glu Met Gln Val Ser Asp Arg Val Arg Ser Ile Ala Lys Asp
 340 345 350

Val Gly Leu Gly Cys Lys Thr Ser Glu Thr Val Pro Arg Pro Ala
 355 360 365

<210> 16
 <211> 46
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 <213> Mus musculus

<400> 16
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<210> 17
 <211> 75
 <212> DNA
 <213> Mus musculus

<400> 17
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 aaccctctga gagga 75

<210> 18
 <211> 81
 <212> DNA
 <213> Mus musculus

<400> 18
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 gacctcattt ctctcctgca g 81

<210> 19
 <211> 15
 <212> PRT
 <213> Unknown Organism

<220>
 <223> Description of Unknown Organism: Synthetic GlySer
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<400> 19
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<210> 20
 <211> 20
 <212> DNA
 <213> Mus musculus

<400> 20
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<210> 21
 <211> 21
 <212> DNA
 <213> Mus musculus

<400> 21
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<210> 22
<211> 48
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      probe

<400> 22
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<210> 23
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      probe

<400> 23
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<210> 24
<211> 20
<212> DNA
<213> Mus musculus

<400> 24
tcctgggaa ctgcctcgac      20

<210> 25
<211> 21
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<400> 25
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<210> 26
<211> 76
<212> DNA
<213> Mus musculus

<400> 26
gtcttaagag agactgagga gagaagacag catctctc tcttgattcc ttccacaaat 60
tcacattcag gttaga      76

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